

**Department of Public Works and Transportation
Montgomery County, Maryland**

DIVISION OF SOLID WASTE SERVICES



Eleanor Walker provides information and resource materials
on recycling for multi-family property managers at a
TRAAC seminar on June 18, 2002.

***MONTHLY REPORT
JUNE 2002***



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TABLE OF CONTENTS

<u>OVERVIEW</u>	3
<u>CITIZEN COMMITTEES</u>	4
<u>COLLECTIONS</u>	4
<u>WASTE MINIMIZATION</u>	5
<u>HAZARDOUS WASTE PROGRAMS</u>	6
<u>AIR PERMITS AND ENVIRONMENTAL PROGRAMS</u>	6
<u>RECYCLING</u>	7
<u>PILOT PROGRAMS</u>	8
<u>FACILITY ACTIVITIES</u>	8
<u>GENERAL INFORMATION</u>	12
<u>SOLID WASTE FACTS IN A NUTSHELL</u>	13
<u>GLOSSARY OF ACRONYMS</u>	14

OVERVIEW

Tonnage at a Glance

The following table shows key material flows during the current month, fiscal year to date (FY Total), and current calendar month in the two prior fiscal years. (County fiscal year 2002 began July 1, 2001.)

FACILITY	Jun FY 02	FY 02 Total	Jun FY 01	Jun FY 00
Materials Recovery Facility ⁽¹⁾	6,730 tons	80,511 tons	6,655 tons	6,571 tons
Brunswick Landfill Facility ⁽²⁾	20,691 tons	227,330 tons	15,834 tons	13,184 tons
American Ash Recycling ⁽³⁾	N/A	N/A	922 tons	3,119 tons
Resource Recovery Facility ⁽⁴⁾	50,102 tons	578,540 tons	42,781 tons	42,601 tons
Yard Trim Compost Facility	4,463 tons	63,634 tons	5,014 tons	5,321 tons

⁽¹⁾MRF tons reported are outgoing.

⁽²⁾This category only addresses waste sent to the landfill for disposal. It does not include rubble that is recycled.

⁽³⁾Tons shipped out to ash recycling facility during the indicated period. All tons so shipped are recycled.

⁽⁴⁾RRF tonnage refers to tons burned (processed). Waste shipped from the Transfer Station but not burned is in the pit and is not included in the tonnage presented here.

Revenue Analysis and Systems Evaluation – During June, program staff:

- Answered routine level of billing and data inquiries.
- Prepared training materials to enable phone staff to handle annual seasonal surge in property billing questions.
- Collated and analyzed commercial recycling collection contract data.
- Made presentation to Business Recycling Forum regarding nonresidential recycling economics.
- Continued research needed to develop a predictive tool for forecasting changes in tonnage export as a function of change in tipping fee.
- Continued participation in the County's Leadership Institute.
- Conducted detailed analysis of FY02 expenditures in selected programs.
- Continued work on the year-end review of fixed assets depreciation schedule.
- Continued to carry out routine seasonal duties of the vacant Management & Budget Specialist III position.
- Interviewed applicants for the vacant Management & Budget Specialist III and the Program Specialist I (property billing quality assurance) positions.
- Continued work on the calendar year recycling rate accounting including processor site visits.

- Completed training Joan Foster as the new Hauler Billing System Manager.
- Worked with DHS to clarify leaf vacuuming service areas to improve annual field data gathering during leafing season, and assure correct billings.
- Updated internal databases with respect to new properties, and prepared monthly report of service unit billing changes to County refuse and recycling collection contractors.
- Entered final changes for FY02 property tax billings.
- Satar Namjou (borrowed staff to fill vacancy) returned to DHS at the end of May, but came back for one week in June to help with final quarter corrections to the property account database (Thank you DHS).

CITIZEN COMMITTEES

Facilities Implementation Group – The next FIG meeting is scheduled for September 10, 2002, at the Gothic Barn in Dickerson. Among the topics on the agenda will be the final report on the Gap Analysis of the RRF, a report on the Spring Traffic Count and the draft Facilities Master Plan.

Solid Waste Advisory Committee – SWAC met Tuesday, June 4th, in the EOB 6th Floor Conference Room. Eight SWAC members, six County staff and four guests were in attendance. DSWS staff gave presentations on Multi-Family and Commercial Recycling. Mr. Richard Hawes, Director of Facilities Management for Montgomery County Public Schools, provided a briefing on Public Schools Recycling. The Committee also discussed the Proposed Ten-Year Solid Waste Management Plan Amendment for Collection Subdistrict Change and the Recycle Toter Program. SWAC members elected a new Committee Chair and a new Committee Vice Chair, both of whom will take office at the July meeting.

COLLECTIONS

Refuse – Refuse collections went as scheduled for the month of June. Collections were made without incident.

Contractor Performance – During the month of June, DSWS received 771 complaints. This represented a 92-count decrease from June 2001, which had 863 complaints.

Customer Service – DSWS received 13,712 incoming calls. There were 2,414 blue bins delivered and 511 e-mail requests handled by the Customer Service Staff.

Recycling – Mixed paper tonnages for the residential program during the last 44 weeks are as follows:

8/6/01 through 8/31/01	9.10 lbs. per household
9/3/01 through 9/28/01	10.08 lbs. per household
10/1/01 through 10/26/01	11.10 lbs. per household
10/29/01 through 11/23/01	10.83 lbs. per household
11/26/01 through 12/21/01	11.52 lbs. per household
12/24/01 through 1/18/02	9.58 lbs. per household
1/21/02 through 2/15/02	9.01 lbs. per household
2/18/02 through 3/15/02	9.02 lbs. per household
3/18/02 through 4/12/02	9.73 lbs. per household
4/15/02 through 5/10/02	9.81 lbs. per household
5/13/02 through 6/7/02	9.58 lbs. per household

Enforcement Actions – Six citations were issued for violations of the County's Solid Waste Laws:

Two citations	Early morning collections	\$1,250
One citation	Accumulation of solid wastes	\$750
One citation	Not having a valid collector's tag attached	\$500
One citation	Not having a current collector's license	\$500
One citation	Deposit solid wastes upon property of another	\$500

Five NOV's were issued for violations of the County's Solid Waste Laws:

Three NOV's	Accumulation of solid wastes
Two NOV's	Not having a current collector's license

WASTE MINIMIZATION

Home Management of Latex Paint Campaign – The campaign has reduced the amount of latex paint coming into the HHW program. Compared to June 2001, the HHW program received an estimated 4 FEWER gallons of all paint per patron.

Bicycle Recycling – In June, 51 bikes (0.88 tons) were picked up by Pedals for Progress.

Computer Recycling – Approximately 32 tons of computers were recycled.

Department of Environmental Protection's Home Composting and Source



Reduction Activities –The Green Man column with recommendations on alternative (resource conserving) landscaping continues in several Maryland editions of The Gazette Newspapers and on the web at both <http://www.gazette.net/columnists/> and

greenman@askdep.com. "A Garden Made for Bats" was reprinted in the Summer 2002 edition of Lifestyles Magazine.

Channel 4 News (NBC4) aired a feature story ("Why Waste Water") on water conservation, mulching, and lawn care on June 20th. Text is available at the following:
<http://wxnet4.nbc4.com/consumer/1524320/detail.html>.



Full advertising schedule for Grasscycling, Integrated Pest Management, and pollution prevention is currently running in The Gazette Newspapers countywide, including weekend editions.

HAZARDOUS WASTE PROGRAMS

Household Hazardous Waste Collection – HHW events were held on Sunday, June 2nd at the Transfer Station and Saturday, June 22nd at the Westland Middle School off Massachusetts Avenue. The two events had 931 and 605 patrons, respectively.

At these events, 405 Hg thermometers were collected and 230 digitals were given out. In addition, 28 Hg thermometers were dropped off at the Transfer Station office, and 14 digital thermometers were given out.

A preconstruction meeting was held for the installation of a roof over the HHW compound.

An amendment to extend the Safety Kleen contract was executed by Procurement.

Small Quantity Generator Ecowise Program – One Small Quantity Generator (SQG)/Ecowise event was held on June 12th; 12 businesses participated.

AIR PERMITS AND ENVIRONMENTAL PROGRAMS

Resource Recovery Facility (RRF): CEMS Tracking of RRF Operations – In June, the Continuous Emissions Monitoring System (CEMS) continued to track the percent load, certain engineering parameters and emissions of all three units. The system recorded emissions from all three units until June 25th at approximately 4 p.m.; CEMS recorded no further emissions for unit #2 until 1 a.m. on June 27th, indicating that the unit was off-line during that time period. Thereafter, CEMS recorded emissions from all three units until June 29th. Again, from approximately 11 p.m. on June 29th to 8 p.m. on June 30th, CEMS recorded no emissions from unit #2 indicating that this unit was off-line during that time period. Thereafter, the system recorded emissions from all three units till the end of the month. There were no equipment malfunctions in June that affected stack emissions.

On June 19th, Covanta's certified inspector performed the monthly "Opacity Test" for the RRF. This is a requirement under Title V of the RRF Air Permit. The test showed zero percent (0%) opacity compared to the Air Permit limit of 10%.

In the first week of June, the set of four CEMS CD-ROM's was updated to include CEMS data up to May 31, 2002. Copies of the CD-ROM's were placed in the Rockville and Poolesville libraries and distributed to FIG Air Quality Subcommittee members.

June 11th, 24th and 25th were forecast as "Code Red" days for the Washington Metropolitan Region. Therefore, all three units were run at approximately 70% load on those days.

Oaks Landfill Energy Recovery Facility: Leachate Evaporation Technology –

In June, the leachate evaporator operated for only one day. The ground-flare without leachate evaporation was operating for 23 days, and the backup flare operated for 6 days. Bentech is still continuing its efforts to implement an electrical generating facility.

FIG-SWAC Air Quality Subcommittee – Following the May FIG meeting where Dr. Carol Garvey, the County's Health Officer endorsed the Epidemiological Study, the Subcommittee decided to finalize the report. ENSR is currently incorporating the suggestions made by a FIG member and will finalize the report by mid-July.

The Subcommittee is currently reviewing the draft report on the Non-Air Media Monitoring Program conducted in fall 2001.

Contracts and RFP's - The Office of Procurement approved the amendment to RAS contract. The contract is good until June 16, 2003.

ENSR contract will expire in September 2002. In July, an amendment will be submitted to the Office of Procurement to extend the contract for one more year so that ENSR can complete the RRF Heath Risk Study update and the Cumulative Health Risk Study.

RECYCLING

Public Outreach – The Recycling Task Force met on June 19th. Canvassing on the mixed paper recycling program continues. The recycling display has been completed. Filming of the new video on what happens to recyclables and the importance of buying recycled is underway. The comprehensive brochure on recycling in the County is in draft.

Commercial Recycling and Waste Reduction – Staff continued to perform on-site visits of businesses in June. A multi-media campaign, including transit ads and radio spots ran during June. On June 5th, a SORRT seminar was held, focusing attention on the regulatory requirements for businesses and organizations, and on waste reduction and buying recycled. Keynote speaker Richard Keller, nationally recognized as an expert on buying recycled, conducted a detailed session on this topic.

Multi-Family Recycling – Staff provided a special training seminar for 60 multi-family property management staff members. Each participant at the seminar received a certification of completion of training on Executive Regulation 109-92. Staff continued to perform on-site evaluations of recycling programs, as well as work with property managers and residents to provide assistance and support.

Mixed Paper Recycling – Canvassing is finishing up in Area 7, the Montgomery Village area, and Area 11. Canvassers are equipped with mixed paper recycling information, including a new door-hanger, and mixed paper recycling demonstration kits.

Volunteer Activities – During June, the volunteers assisted at two HHW collections, the International Festival in Silver Spring, and provided assistance in the volunteer office. Recruitment for the new manager of the volunteer program was completed. The new manager will begin on July 15th.

PILOT PROGRAMS

Mixed Paper Pilot – The June totals for the Potomac Paper Toter Program are:

6/5/02	10,640 lbs.	13.14 lbs. per household
6/12/02	16,280 lbs.	20.10 lbs. per household
6/19/02	14,880 lbs.	18.37 lbs. per household
6/26/02	<u>18,440 lbs.</u>	<u>22.77 lbs. per household</u>
Total	60,240 lbs.	18.59 lbs. average for June

The current average weight per house for the 39 weeks of the toter program is 20.26 lbs. as opposed to 13.99 lbs. per house prior to the program.

Tubgrinding Pilot – Tubgrinding of screened reject material has ended.

FACILITY ACTIVITIES

Resource Recovery Facility – The facility ran with 3 boilers for the month of June with the following exceptions: unit 2 boiler was shut down twice; once for an external tube leak and once for a forced draft fan bearing failure. Total time off-line was approximately 60 hours.

There was one significant safety incident; a side loader tipped forward onto the equipment container it was carrying. There were no injuries but two containers were damaged. Modifications are being evaluated with the equipment manufacturers.

There were no generation emergencies issued by Mirant during the month of June.

There was no need to purchase power during the month. June 1st began the summer period for electrical generation. All electrical rates increase through the end of September.

There were three Forecasted Ozone-Code Red alert days on June 11th, 24th, and 25th. During these days boiler load was curtailed to 70% of MCR.

The following environmental activities occurred:

- Performed the 3-year Risk Management Plan (RMP) audit of the anhydrous ammonia system as required by 40 CFR Part 68 on June 19, 2002.
- Submitted the May 2002 Potable Water Monthly Operating Report to MDE.
- Provided Ron Wicks of MDE with wastewater flow/temperature data for his May 30th NPDES inspection.
- Reviewed/updated the RRF Spill Prevention Control and Countermeasures Plan.
- The monthly visible emission (Method 9) observation required by the RRF's Title V Permit was performed on June 19, 2002.
- The CEMS technician, Syl Ebron, submitted updated CD-ROM's to the County that included data for May 2002.

Materials Recovery Facility – Approximately 1,827 tons of commingled material were shipped out after processing, and approximately 4,903 tons of mixed paper were loaded out and transferred to the Office Paper Systems processing facility.

Removal of the existing processing system equipment will begin July 1st. Commingled material is being sent to Fairfield County Recycling, Inc. (FCR) in Alexandria, VA for processing. A platform to support the proposed relocated electrical control panel was installed.

Oaks Landfill – SCS Field Services worked on the design of needed pipe replacement and system upgrades to the landfill gas management system.

Weston, the operations contractor for the leachate pre-treatment plant, completed an expansion of the concrete pad at the oil/grit cleanout receiving area. Further improvements to increase receiving capacity are planned for this year including installation of a 21,000-gallon tank for receiving and temporarily storing liquid from oil/grit cleanout loads. DEP has taken over maintenance of many storm water ponds and control structures within the County under regulations approved last year, and it is anticipated that there will be an increased demand placed upon the oil/grit receiving area.

DSWS submitted an IFB to the Office of Procurement for subdividing the leachate storage lagoons to facilitate long-term maintenance.

Gude Landfill – Highway and Safety Services, Inc. completed drainage corrections to approximately 10 ponded areas. Work to address several additional ponded areas not initially identified is planned for FY03.

Montgomery County Public Schools have expressed an interest in utilizing a portion of the site for a school bus parking area.

Beantown Dump – All businesses eligible to receive a methane detector have received them. Installation of the passive landfill gas venting system by SCS Field Services should begin in July. The contract for this work is in the Office of Procurement awaiting approval.

Transfer Station – During June, Covanta shipped via rail 51,696 tons of processible waste from the Transfer Station to the RRF; 4,300 more tons than shipped in June 2001.

Litter was collected by MES along Shady Grove Road from Route 355 to the intersection with Muncaster Mill Road.

Additional roof fans were installed on the Transfer Station building. All original roof fans have now been replaced.

Repair work on the existing roll-up doors was completed.

Fiber optic cable was run from Route 355 to the County offices.

The radiation detectors had 26 alarms in June - all but one alarm were from medical isotopes with short half-lives, and as such, all medically related waste material was accepted. One incident involved traces of Cobalt 60 from an industrial site. In this case, state and local inspectors were contacted, and the truck was escorted back to the generator's industrial site under State supervision for examination. No material was dumped at the Transfer Station. The source of the radiation was determined to be some paper towels and rags with trace contamination that were improperly disposed with regular trash.

Large volumes of waste continue to make the Transfer Station extremely busy, requiring staff to spend more time managing traffic near the scales than has been required in the past. On several occasions, for short periods of time, one of the inbound scales was utilized as an outbound scale to relieve the outbound traffic line and vice versa.

Site 2 Landfill Properties – DFS received 6 proposals for the renovation and leasing of the property. All interviews are complete. A formal recommendation was sent to the County Executive on June 10th. Leasing negotiations shall commence after approval.

Solid Waste Facilities Master Plan – FIG reviewed comments on the plan and asked SCS Engineers to incorporate the comments in the draft plan.

M-NCPPC made a presentation to FIG on the proposed trail across the Site 2 property. They indicated that they are in the preliminary stages of their proposal and that no decision has been made on where the trail will be. They promised to keep the community updated as more information becomes available.

The Spring Traffic Count to determine the impact of the County facilities in Dickerson on the community was done from May 13-17, 2002; results will be presented at the next FIG meeting.

Yard Trim Compost Facility – In the month of June, 4,463 tons of grass were delivered at the yard trim facility for composting.

Bagging Operation – In June, 85,820 bags of Leafgro were produced at the facility; 20,889 bags were shipped to distributors.

Linden Farm Renovations – Under the signed bagging agreement between SCA and the County, the County is to renovate the Feed and Bank Barns. The renovation work is complete. Painting of the barns is complete; the silo is now being painted.

Out-of-County Haul

Brunswick County, Virginia - During the month of June, about 15,300 tons of ash residue and 5,391 tons of nonprocessable waste were transported to the County's dedicated disposal cell at the Brunswick Waste Management Facility, Inc. (BWMFI) Landfill in Brunswick County, Virginia. About 284 tons of material was recycled at Clean Earth in Hagerstown, MD. Maintenance on the ash container fleet, including replacement of corroded side panels, continues at the Collier Rail Yard near Petersburg, Virginia. A draft contract amendment was submitted to BWMFI that would result in a lease-to-own arrangement for five additional nonprocessable waste container/chassis combinations to assist with increasing waste volumes. A new 6.4-acre cell, part of area A-2, contiguous with the other dedicated cells, was opened at the landfill.

GENERAL INFORMATION

Important Telephone Numbers

General information on solid waste	240-777-6400
Customer Service	240-777-6410
Transfer Station	301-840-2370 (County Office) 301-590-1032 (Covanta)
Materials Recovery Facility	301-840-2701 (County Office) 301-417-1447 (MES)
Resource Recovery Facility	240-777-6494 (County Office) 301-916-3031 (Covanta)
Yard Trim Compost Facility	301-428-8185 (MES)
Internet for DSWS	www.mcrecycles.org

Note: All comments, questions, and suggestions on the contents of this report should be addressed to:

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SOLID WASTE FACTS IN A NUTSHELL

TOPIC OR FACILITY	
Latest Recycling Rate Reported in Montgomery County	37.2% (FY01)
Recycling Goal	45% by December 2002 50% by December 2004
Resource Recovery Facility (RRF)	Guaranteed Capacity = 85% of 1800 TPD on an annual basis (558,450 tons/yr).
Yard Trim Composting Facility (DCF)	Operations limited to receipt of 77,000 tons/year under Sugarloaf Settlement Agreement. FY01 tons received- 59,643
# Residences receiving trash collection by County contractors	84,786
# Residences receiving collection of recyclables in blue bins and yard waste collection	200,725
Term of out-of-county waste transportation and disposal contract with Brunswick Waste Management Facility, Inc.	June 19, 1997 through June 30, 2012 with an option for a five-year renewal. (Service started on October 20, 1997.)

GLOSSARY OF ACRONYMS

AAR	American Ash Recycling, Inc.
APC	Air Pollution Control
ASME	American Society of Mechanical Engineers
BFI	Browning Ferris Industries
CDL	Commercial Driver's License
CEMS	Continuous Emissions Monitoring System
CFR	Code of Federal Regulation
CIP	Capital Improvements Program
COG	Metropolitan Washington Council of Governments
CSX	Chesapeake Transportation Systems
DEP	Department of Environmental Protection
DFS	Division of Facilities and Services
DNR	Maryland Department of Natural Resources
DSWS	Division of Solid Waste Services
EPA	Environmental Protection Agency
FIG	Facilities Implementation Group
HCFA	Health Care Financing Administration
HHW	Household Hazardous Waste
IFB	Invitation For Bid
LFG	Landfill Gas
LTTS	Leachate Thermal Treatment System
MCPS	Montgomery County Public Schools
MCR	Maximum Continuous Rating
MDE	Maryland Department of Environment
MES	Maryland Environmental Service
Mg/l	milligrams per liter
M-NCPPC	Maryland National Capital Park and Planning Commission
MRF	Materials Recovery Facility
MWh	Mega Watt hours
NEA	Northeast Maryland Waste Disposal Authority
NOV	Notice of Violation
NPDES	National Pollution Discharge Elimination System
NTP	Notice to Proceed
OLAC	Oaks Landfill Advisory Commission
OMB	Office of Management and Budget
OPS	Office Paper Systems
PEPCO	Potomac Electric Power Company
PSA	Public Service Announcement
RFP	Request for Proposal
ROL	Reduced Operating Level
RRF	Resource Recovery Facility
SCA	Sugarloaf Citizens Association
SHA	State Highway Administration
SORRT	Smart Organizations Reduce and Recycle Tons
SDAT	State Department of Assessments and Taxation
SWAC	Solid Waste Advisory Committee
TXA170	Computer Interface Program
TCLP	Toxic Characteristic Leaching Procedure
TPD	Tons Per Day
T.R.R.A.C.	Think Reduce and Recycle at Apartments and Condominiums
UT	Ultra-sonic Testing
WM	Waste Management
YTCF	Yard Trim Composting Facility